Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claims 1-27 (canceled)

28. (withdrawn) A computerized method for simulating processes in asynchronous messaging environment, comprising the steps of:

- providing at least one predetermined sub-process;
- assembling a process from said predetermined sub-process; and,
- simulating message flow through said process.

29. (withdrawn) The method of claim 28 wherein the step of providing at least one predetermined sub-process further comprises providing a predetermined toolkit of said predetermined sub-processes.

30. (withdrawn) The method of claim 28 wherein the step of providing at least one predetermined sub-process further comprises providing at least one industry specific sub-process.

31. (withdrawn) The method of claim 28 wherein the step of providing at least one predetermined sub-process further comprises providing means for creating additional sub-processes.

32. (withdrawn) The method of claim 31 wherein the step of providing means for creating additional sub-processes further comprises providing means for adding said additional sub-processes to said toolkit.

33. (withdrawn) The method of claim 28 wherein the step of simulating message flow through said process further comprises providing a time indicator for said sub-process.

34. (withdrawn) The method of claim 28 wherein the step of simulating message flow through said process further comprises providing a means for varying latency of said sub-process.

35. (withdrawn) An apparatus for simulating processes in an asynchronous messaging environment, comprising the steps of:

- means for providing at least one predetermined sub-process;
- means for assembling a process from said predetermined sub-process; and,
- means for simulating message flow through said process.

36. (withdrawn) An apparatus as in claim 35 further comprising means for providing a predetermined toolkit of said predetermined sub-processes.

37. (withdrawn) An apparatus as in claim 35 further comprising means for providing at least one industry specific sub-process.

38. (withdrawn) An apparatus as in claim 35 further comprising means for creating additional sub-processes.

39. (withdrawn) An apparatus as in claim 38 further comprising means for adding said additional sub-processes to said toolkit.

40. (withdrawn) An apparatus as in claim 35 further comprising a time indicator means for said sub-process.

41. (withdrawn) An apparatus as in claim 35 further comprising means for varying latency of said sub-process.

42. (withdrawn) A computerized method for simulating processes in an asynchronous messaging environment, comprising:

- establishing at least one sub-process which is comprised of at least one activity; and,
- establishing a process which is comprised of at least one sub-process.

43. (currently amended) A computerized method for use in an asynchronous messaging environment, wherein said messaging environment comprises at least one original message comprised of original message data, comprising:

- providing, through a monitoring message, at least part of said original message data to a central message repository;

- populating a transaction record in said central message repository with said original message data provided by said monitoring message;

wherein said original message data comprises the status of an ~~a process, sub-process or~~ activity.

44. (previously presented) A method as in claim 43 further comprising reviewing data collected in said transaction record.

45. (currently amended) A method as in claim 43 wherein said original message data comprises at least one field of data selected from the group consisting ~~essentially~~ of date data, time data, customer number data, materials data, quantity data ~~or~~ and amount data.

46. (currently amended) A method as in claim 43 wherein said original message data comprises at least one field selected from the group consisting ~~essentially~~ of PROCESS IDENTIFIER, SUB-PROCESS IDENTIFIER, ACTIVITY IDENTIFIER, CUSTOMER NUMBER, PART NUMBER, QUANTITY, DATE ~~or~~ and TIME.

47. (currently amended) A method as in claim 43 wherein said original message data comprises at least one field selected from the group consisting ~~essentially~~ of ProID, SbProID, Custno, Partno, Qty, Date ~~or~~ and Time.

48. (currently amended) A method as in claim 43 further comprising providing the status of a process~~, sub-process or activity~~ by providing access to said central message repository.

49. (previously presented) A method as in claim 43 further comprising adding, to said monitoring message, data other than said original message data.

50. (previously presented) A method as in claim 43 further comprising updating said transaction record.

51. (previously presented) A method as in claim 50 further comprising updating said transaction record by:

- providing, through a second monitoring message, a second original message data to said transaction record; and,

- populating said transaction record with said second original message data provided by said second monitoring message.

52. (previously presented) A method as in claim 43 further comprising completing a process.

53. (previously presented) A method as in claim 52 further comprising completing said transaction record.

54. (previously presented) A method as in claim 43 further comprising aborting a process.

55. (previously presented) A method as in claim 54 further comprising providing, in said transaction record, an indication that the record has been abandoned.

56. (previously presented) A computerized method for use in an asynchronous messaging environment, wherein said messaging environment comprises at least one original message comprised of original message data, comprising:

- monitoring a process, which is comprised of at least a first and second sub process, by generating original message data from each of said first and second sub process;

- transmitting said original message data from said first sub process, via a first monitoring message, to a central message repository;

- storing said original message data from said first sub process, in a transaction record in said central message repository;

- transmitting said original message data from said second sub process, via a second monitoring message, to said central message repository; and,

- storing said original message data from said second sub process, in said transaction record in said central message repository;

wherein said original message data comprises the status of said sub processes.

57. (previously presented) A method as in claim 56 further comprising determining the status of said process.

58. (previously presented) A method as in claim 56 wherein said original message data from each of said first and second sub processes comprises a sub process specific set of data.

59. (currently amended) A method as in claim 56 wherein said first monitoring message ~~or said second monitoring message~~ further comprises altered original message data.

60. (currently amended) A method as in claim 56 wherein said first monitoring message ~~or said second monitoring message~~ further comprises data added to said original message data.

61. (previously presented) A method as in claim 56 further comprising reviewing said central message repository.

62. (currently amended) A method as in claim 61 wherein reviewing said central message repository further comprises reviewing information from the group consisting ~~essentially~~ of order information, customer information, process efficiency information, snapshot information, time slice information, daily information, weekly information, monthly information, trend information ~~or~~ and performance information.

63. (previously presented) A method as in claim 56 further comprising distributing process progress information in real time.

64. (currently amended) A method as in claim 63 further comprising distributing said process progress information through broadcasting ~~or Wireless Application Protocol~~.

65. (currently amended) A method as in claim 63 further comprising distributing said process progress information through ~~an intranet, extranet, or~~ the Internet.

66. (previously presented) A method as in claim 56 further comprising analyzing said central ~~data~~ message repository in order to determine a process trend.

67. (currently amended) A method as in claim 66 wherein said process trend is selected from the group consisting ~~essentially~~ of: time between sub-processes, variances by customer, variances by order amount, bottlenecks ~~or~~ and seasonal variations.

68. (previously presented) A method as in claim 67 wherein orders may be accelerated as a result of said analysis.

69. (previously presented) A method as in claim 56 further comprising providing a monitoring message database.

70. (previously presented) A method as in claim 56 further comprising providing a report via an XML link to said central message repository.

71. (previously presented) A central message repository created by the method of claim 43.

72. (previously presented) A transaction record created by the method of claim 43.

73. (currently amended) An apparatus for use in an asynchronous messaging environment, wherein said messaging environment comprises at least one original message comprised of original message data, comprising:

- means for providing, through a monitoring message, at least part of said original message data to a central message repository;

- means for populating a transaction record in said central message repository with said original message data provided by said monitoring message;

wherein said original message data comprises the status of a ~~process, sub process or activity~~.

74. (previously presented) An apparatus as in claim 73 further comprising means for reviewing data collected in said transaction record.

75. (previously presented) An apparatus as in claim 73 further comprising means for broadcasting data collected in said transaction record.

76. (currently amended) An apparatus as in claim 73 further comprising means for providing the status of a process~~, sub process or activity~~ by providing access to said central message repository.

77. (previously presented) An apparatus as in claim 73 further comprising means for adding, to said monitoring message, data other than said original message data.

78. (previously presented) An apparatus for use in an asynchronous messaging environment, wherein said messaging environment comprises at least one original message comprised of original message data, comprising:

- means for monitoring a process, which is comprised of at least a first and second sub process, by generating original message data from each of said first and second sub process;

- means for transmitting said original message data from said first sub process, via a first monitoring message, to a central message repository;

- means for storing said original message data from said first sub process, in a transaction record in said central message repository;

- means for transmitting said original message data from said second sub process, via a second monitoring message, to said central message repository; and,

- means for storing said original message data from said second sub process, in said transaction record in said central message repository;

wherein said original message data comprises the status of said sub processes.

79. (previously presented) An apparatus as in claim 78 further comprising means for reviewing said central message repository.

80. (currently amended) An apparatus as in claim 78 further comprising means for distributing ~~said~~ process progress information through broadcasting ~~or Wireless Application Protocol~~.

81. (previously presented) An apparatus as in claim 78 further comprising means for providing a monitoring message database.

82. (previously presented) An apparatus as in claim 78 further comprising means for providing a report via an XML link to said central message repository.

83. (currently amended) A method as in claim 43 wherein said status of a process~~, sub process or activity~~ is a simulated process.

84. (previously presented) A method as in claim 43 wherein said original message data is simulated original message data.

85. (new) A computerized method for use in an asynchronous messaging environment, wherein said messaging environment comprises at least one original message comprised of original message data, comprising:

- providing, through a monitoring message, at least part of said original message data to a central message repository;

- populating a transaction record in said central message repository with said original message data provided by said monitoring message;

wherein said original message data comprises the status of a process.

86. (new) A computerized method for use in an asynchronous messaging environment, wherein said messaging environment comprises at least one original message comprised of original message data, comprising:

- providing, through a monitoring message, at least part of said original message data to a central message repository;

- populating a transaction record in said central message repository with said original message data provided by said monitoring message;

wherein said original message data comprises the status of a sub process.

87. (new) A method as in claim 43 further comprising providing the status of a sub process by providing access to said central message repository.

88. (new) A method as in claim 43 further comprising providing the status of an activity by providing access to said central message repository.

89. (new) A method as in claim 56 wherein said second monitoring message further comprises altered original message data.

90. (new) A method as in claim 56 wherein said second monitoring message further comprises data added to said original message data.

91. (new) A method as in claim 63 further comprising distributing said process progress information through Wireless Application Protocol.

92. (new) A method as in claim 63 further comprising distributing said process progress information through an intranet.

93. (new) A method as in claim 63 further comprising distributing said process progress information through an extranet.

94. (new) An apparatus for use in an asynchronous messaging environment, wherein said messaging environment comprises at least one original message comprised of original message data, comprising:

- means for providing, through a monitoring message, at least part of said original message data to a central message repository;

- means for populating a transaction record in said central message repository with said original message data provided by said monitoring message;

wherein said original message data comprises the status of a sub process.

95. (new) An apparatus for use in an asynchronous messaging environment, wherein said messaging environment comprises at least one original message comprised of original message data, comprising:

- means for providing, through a monitoring message, at least part of said original message data to a central message repository;

- means for populating a transaction record in said central message repository with said original message data provided by said monitoring message;

wherein said original message data comprises the status of an activity.

96. (new) An apparatus as in claim 73 further comprising means for providing the status of a sub process by providing access to said central message repository.

97. (new) An apparatus as in claim 73 further comprising means for providing the status of an activity by providing access to said central message repository.

98. (new) An apparatus as in claim 78 further comprising means for distributing said process progress information through Wireless Application Protocol.

99. (new) A method as in claim 43 wherein said status of a sub process is a simulated process.

100. (new) A method as in claim 43 wherein said status of an activity is a simulated process.